Guoying Bing

List of Publications by Year
in descending order

101 papers	5,778 citations	57758 44 h-index	79698 73 g-index
102 all docs	102 docs citations	102 times ranked	6427 citing authors

#	Article	IF	Citations
1	Methamphetamine-induced dopaminergic neurotoxicity as a model of Parkinsonâ€™s disease. Archives of Pharmacal Research, 2021, 44, 668-688.	6.3	10
2	GPx-1-encoded adenoviral vector attenuates dopaminergic impairments induced by methamphetamine in GPx-1 knockout mice through modulation of NF-Î°B transcription factor. Food and Chemical Toxicology, 2021, 154, 112313.	3.6	9
3	Protein kinase CÎ´ mediates methamphetamine-induced dopaminergic neurotoxicity in mice via activation of microsomal epoxide hydrolase. Food and Chemical Toxicology, 2019, 133, 110761.	3.6	9
4	P53 knockout mice are protected from cocaine-induced kindling behaviors via inhibiting mitochondrial oxidative burdens, mitochondrial dysfunction, and proapoptotic changes. Neurochemistry International, 2019, 124, 68-81.	3.8	8
5	Trichloroethylene and Parkinsonâ€™s Disease: Risk Assessment. Molecular Neurobiology, 2018, 55, 6201-6214.	4.0	42
6	Evaluation of the effects of chlorpyrifos combined with lipopolysaccharide stress on neuroinflammation and spatial memory in neonatal rats. Toxicology, 2018, 410, 106-115.	4.2	9
7	Ginsenoside Re protects methamphetamine-induced dopaminergic neurotoxicity in mice via upregulation of dynorphin-mediated Îº-opioid receptor and downregulation of substance P-mediated neurokinin 1 receptor. Journal of Neuroinflammation, 2018, 15, 52.	7.2	26
8	Pioglitazone Attenuates Neuroinflammation and Promotes Dopaminergic Neuronal Survival in the Nigrostriatal System of Rats after Diffuse Brain Injury. Journal of Neurotrauma, 2017, 34, 414-422.	3.4	61
9	Effects of dimethyl sulfoxide on the morphology and viability of primary cultured neurons and astrocytes. Brain Research Bulletin, 2017, 128, 34-39.	3.0	39
10	Lipopolysaccharide-induced functional and structural injury of the mitochondria in the nigrostriatal pathway. Neuroscience Research, 2017, 114, 62-69.	1.9	23
11	Neonatal chlorpyrifos exposure induces loss of dopaminergic neurons in young adult rats. Toxicology, 2015, 336, 17-25.	4.2	47
12	PINK1/Parkin-mediated mitophagy alleviates chlorpyrifos-induced apoptosis in SH-SY5Y cells. Toxicology, 2015, 334, 72-80.	4.2	63
13	The effect of HMGB1 on sub-toxic chlorpyrifos exposure-induced neuroinflammation in amygdala of neonatal rats. Toxicology, 2015, 338, 95-103.	4.2	40
14	Role of oxidative stress in methamphetamine-induced dopaminergic toxicity mediated by protein kinase CÎ´. Behavioural Brain Research, 2012, 232, 98-113.	2.2	61
15	Endogenous dynorphin protects against neurotoxin-elicited nigrostriatal dopaminergic neuron damage and motor deficits in mice. Journal of Neuroinflammation, 2012, 9, 124.	7.2	65
16	Microglia activation-induced mesencephalic dopaminergic neurodegeneration â€" an in vitro model for Parkinsonâ€™s disease. Frontiers in Biology, 2012, 7, 404-411.	0.7	0
17	Substantia nigra vulnerability after a single moderate diffuse brain injury in the rat. Experimental Neurology, 2012, 234, 8-19.	4.1	38
18	Traumatic brain injury and trichloroethylene exposure interact and produce functional, histological, and mitochondrial deficits. Experimental Neurology, 2012, 234, 85-94.	4.1	33

#	Article	IF	Citations
19	PKCÎ´ inhibition enhances tyrosine hydroxylase phosphorylation in mice after methamphetamine treatment. Neurochemistry International, 2011, 59, 39-50.	3.8	36
20	Pioglitazone attenuates mitochondrial dysfunction, cognitive impairment, cortical tissue loss, and inflammation following traumatic brain injury. Experimental Neurology, 2011, 227, 128-135.	4.1	134
21	Lipopolysaccharide Animal Models for Parkinson's Disease. Parkinson's Disease, 2011, 2011, 1-7.	1.1	117
22	Analysis of regional brain mitochondrial bioenergetics and susceptibility to mitochondrial inhibition utilizing a microplate based system. Journal of Neuroscience Methods, 2011, 198, 36-43.	2.5	59
23	Glial cell line-derived neurotrophic factor protects midbrain dopaminergic neurons against lipopolysaccharide neurotoxicity. Journal of Neuroimmunology, 2010, 225, 43-51.	2.3	33
24	Trichloroethylene induces dopaminergic neurodegeneration in Fisher 344 rats. Journal of Neurochemistry, 2010, 112, 773-783.	3.9	87
25	Potentiation of methamphetamine neurotoxicity by intrastriatal lipopolysaccharide administration. Neurochemistry International, 2010, 56, 229-244.	3.8	54
26	Aging enhances the neuroinflammatory response and Î±-synuclein nitration in rats. Neurobiology of Aging, 2010, 31, 1649-1653.	3.1	42
27	Striatal Neuroinflammation Promotes Parkinsonism in Rats. PLoS ONE, 2009, 4, e5482.	2.5	113
28	Intrastriatal lipopolysaccharide injection induces parkinsonism in C57/B6 mice. Journal of Neuroscience Research, 2009, 87, 1913-1921.	2.9	76
29	Role of microsomal epoxide hydrolase in methamphetamineâ€induced drug dependence in mice. Journal of Neuroscience Research, 2009, 87, 3679-3686.	2.9	13
30	Prodynorphin gene deficiency potentiates nalbuphine-induced behavioral sensitization and withdrawal syndrome in mice. Drug and Alcohol Dependence, 2009, 104, 175-184.	3.2	6
31	Effects of prodynorphin deletion on striatal dopamine in mice during normal aging and in response to MPTP. Experimental Neurology, 2009, 219, 228-238.	4.1	7
32	Improving the specificity of immunological detection in aged human brain tissue samples. International Journal of Physiology, Pathophysiology and Pharmacology, 2009, 2, 29-35.	0.8	4
33	p38 Kinase Is Activated in the Alzheimer's Disease Brain. Journal of Neurochemistry, 2008, 72, 2053-2058.	3.9	341
34	Microsomal epoxide hydrolase deletion enhances tyrosine hydroxylase phosphorylation in mice after MPTP treatment. Journal of Neuroscience Research, 2008, 86, 2792-2801.	2.9	20
35	Trichloroethylene: Parkinsonism and complex 1 mitochondrial neurotoxicity. Annals of Neurology, 2008, 63, 184-192.	5.3	173
36	Kainate-induced mitochondrial oxidative stress contributes to hippocampal degeneration in senescence-accelerated mice. Cellular Signalling, 2008, 20, 645-658.	3.6	45

#	Article	IF	Citations
37	Pioglitazone inhibition of lipopolysaccharide-induced nitric oxide synthase is associated with altered activity of p38 MAP kinase and PI3K/Akt. Journal of Neuroinflammation, 2008, 5, 4.	7.2	107
38	Protective properties afforded by pioglitazone against intrastriatal LPS in Spragueâ€"Dawley rats. Neuroscience Letters, 2008, 432, 198-201.	2.1	69
39	Phenidone protects the nigral dopaminergic neurons from LPS-induced neurotoxicity. Neuroscience Letters, 2008, 445, 1-6.	2.1	24
40	Striatal neuroinflammation promotes parkinsonism in rats. Nature Precedings, 2008, , .	0.1	0
41	Inflammation and Age-Related Iron Accumulation in F344 Rats. Current Aging Science, 2008, 1, 112-121.	1.2	22
42	Agonism of Peroxisome Proliferator Receptor-Gamma may have Therapeutic Potential for Neuroinflammation and Parkinsons Disease. Current Neuropharmacology, 2007, 5, 35-46.	2.9	56
43	Interleukin-10 protects against inflammation-mediated degeneration of dopaminergic neurons in substantia nigra. Neurobiology of Aging, 2007, 28, 894-906.	3.1	119
44	Dextromethorphan attenuates trimethyltin-induced neurotoxicity via Ïƒ1 receptor activation in rats. Neurochemistry International, 2007, 50, 791-799.	3.8	40
45	Repeated intracerebroventricular infusion of nicotine prevents kainate-induced neurotoxicity by activating the Î±7 nicotinic acetylcholine receptor. Epilepsy Research, 2007, 73, 292-298.	1.6	14
46	Inflammation induces mitochondrial dysfunction and dopaminergic neurodegeneration in the nigrostriatal system. Journal of Neurochemistry, 2007, 100, 1375-1386.	3.9	282
47	Neuroprotection with pioglitazone against LPS insult on dopaminergic neurons may be associated with its inhibition of NF-ÎºB and JNK activation and suppression of COX-2 activity. Journal of Neuroimmunology, 2007, 192, 89-98.	2.3	70
48	Fenbendazole treatment may influence lipopolysaccharide effects in rat brain. Comparative Medicine, 2007, 57, 487-92.	1.0	12
49	Cyclooxygenase-2 mediates microglial activation and secondary dopaminergic cell death in the mouse MPTP model of Parkinson's disease. Journal of Neuroinflammation, 2006, 3, 6.	7.2	202
50	Biophysical and biochemical characterization of the intrinsic fluorescence from neurofibrillary tangles. Neurobiology of Aging, 2006, 27, 823-830.	3.1	4
51	Expression of microsomal epoxide hydrolase is elevated in Alzheimer's hippocampus and induced by exogenous Î²-amyloid and trimethyl-tin. European Journal of Neuroscience, 2006, 23, 2027-2034.	2.6	40
52	Prodynorphin knockout mice demonstrate diminished age-associated impairment in spatial water maze performance. Behavioural Brain Research, 2005, 161, 254-262.	2.2	42
53	Intrapallidal lipopolysaccharide injection increases iron and ferritin levels in glia of the rat substantia nigra and induces locomotor deficits. Neuroscience, 2005, 135, 829-838.	2.3	54
54	Striatal GDNF administration increases tyrosine hydroxylase phosphorylation in the rat striatum and substantia nigra. Journal of Neurochemistry, 2004, 90, 245-254.	3.9	97

#	Article	IF	Citations
55	Role of the prolyl isomerase Pin1 in protecting against age-dependent neurodegeneration. Nature, 2003, 424, 556-561.	27.8	412
56	P38 MAP kinase is activated at early stages in Alzheimer's disease brain. Experimental Neurology, 2003, 183, 394-405.	4.1	185
57	Metabolism to dextrorphan is not essential for dextromethorphan's anticonvulsant activity against kainate in mice. Life Sciences, 2003, 72, 769-783.	4.3	33
58	Up-regulation of inducible nitric oxide synthase in the substantia nigra by lipopolysaccharide causes microglial activation and neurodegeneration. Neurobiology of Disease, 2003, 12, 35-45.	4.4	172
59	Comparative Analysis of an Improved Thioflavin-S Stain, Gallyas Silver Stain, and Immunohistochemistry for Neurofibrillary Tangle Demonstration on the Same Sections. Journal of Histochemistry and Cytochemistry, 2002, 50, 463-472.	2.5	124
60	Localization of Î²-Secretase Memapsin 2 in the Brain of Alzheimer's Patients and Normal Aged Controls. Experimental Neurology, 2002, 175, 10-22.	4.1	40
61	Kainate treatment alters TGF-Î²3 gene expression in the rat hippocampus. Molecular Brain Research, 2002, 108, 60-70.	2.3	14
62	Oxidative damage causes formation of lipofuscin-like substances in the hippocampus of the senescence-accelerated mouse after kainate treatment. Behavioural Brain Research, 2002, 131, 211-220.	2.2	46
63	Induction of unspliced c-fos messenger RNA in rodent brain by kainic acid and lipopolysaccharide. Neuroscience Letters, 2001, 305, 17-20.	2.1	2
64	Dextromethorphan affects cocaine-mediated behavioral pattern in parallel with a long-lasting Fos-related antigen-immunoreactivity. Life Sciences, 2001, 69, 615-624.	4.3	16
65	A novel fluorescent method for direct visualization of neurofibrillary pathology in Alzheimer's disease. Journal of Neuroscience Methods, 2001, 111, 17-27.	2.5	7
66	Prenatal Exposure To Magnetic Field Increases Dopamine Levels In The Striatum Of Offspring. Clinical and Experimental Pharmacology and Physiology, 2001, 28, 884-886.	1.9	11
67	Selenium deficiency potentiates methamphetamine-induced nigral neuronal loss; comparison with MPTP model. Brain Research, 2000, 862, 247-252.	2.2	67
68	Phenidone prevents kainate-induced neurotoxicity via antioxidant mechanisms. Brain Research, 2000, 874, 15-23.	2.2	66
69	Changes of hippocampal Cu/Zn-superoxide dismutase after kainate treatment in the rat. Brain Research, 2000, 853, 215-226.	2.2	53
70	Naloxone prevents microglia-induced degeneration of dopaminergic substantia nigra neurons in adult rats. Neuroscience, 2000, 97, 285-291.	2.3	79
71	Cloning and expression of MP13 gene from rat hippocampus, a new factor related to guanosine triphosphate regulation. Neuroscience Letters, 2000, 296, 129-132.	2.1	0
72	Dextromethorphan modulates the AP-1 DNA-binding activity induced by kainic acid. Brain Research, 1999, 824, 125-132.	2.2	37

#	Article	IF	Citations
73	Protection of methamphetamine nigrostriatal toxicity by dietary selenium. Brain Research, 1999, 851, 76-86.	2.2	90
74	Long-term increase of Sp-1 transcription factors in the hippocampus after kainic acid treatment. Molecular Brain Research, 1999, 69, 144-148.	2.3	21
75	Prolonged exposure to cigarette smoke blocks the neurotoxicity induced by kainic acid in rats. Life Sciences, 1999, 66, 317-326.	4.3	17
76	cDNA cloning and sequencing of Ca2+/calmodulin-dependent protein kinase IIalpha subunit and its mRNA expression in diisopropyl phosphorofluoridate (DFP)-treated hen central nervous system. Molecular and Cellular Biochemistry, 1998, 181, 29-39.	3.1	33
77	Transient c-fos gene expression in cerebellar development and functional stimulation. Brain Research, 1998, 795, 87-97.	2.2	4
78	A single dose of kainic acid elevates the levels of enkephalins and activator protein-1 transcription factors in the hippocampus for up to 1 year. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 9422-9427.	7.1	62
79	Kainic acid-induced sprouting of dynorphin- and enkephalin- containing mossy fibers in the dentate gyrus of the rat hippocampus. Brain Research, 1997, 747, 318-323.	2.2	11
80	Characterization of the long-lasting activator protein-1 complex induced by kainic acid treatment. Brain Research, 1997, 770, 53-59.	2.2	18
81	Dextromethorphan blocks opioid peptide gene expression in the rat hippocampus induced by kainic acid. Neuropeptides, 1997, 31, 105-112.	2.2	19
82	Longâ€Term Expression of Fosâ€Related Antigen and Transient Expression of Î”FosB Associated with Seizures in the Rat Hippocampus and Striatum. Journal of Neurochemistry, 1997, 68, 272-279.	3.9	27
83	Long-term expression of the 35,000 mol. wt fos-related antigen in rat brain after kainic acid treatment. Neuroscience, 1996, 73, 1159-1174.	2.3	38
84	The Effects of the HIV-1 Envelope Protein gp120 on the Production of Nitric Oxide and Proinflammatory Cytokines in Mixed Glial Cell Cultures. Cellular Immunology, 1996, 172, 77-83.	3.0	85
85	Induction of NF-kB-like transcription factors in brain areas susceptible to kainate toxicity. Glia, 1996, 16, 306-315.	4.9	70
86	Induction of NFâ€kBâ€like transcription factors in brain areas susceptible to kainate toxicity. Glia, 1996, 16, 306-315.	4.9	5
87	Modulatory effects of [Met5]-enkephalin on interleukin-1Î² secretion from microglia in mixed brain cell cultures. Journal of Neuroimmunology, 1995, 62, 9-17.	2.3	41
88	Selective Killing of Cholinergic Neurons by Microglial Activation in Basal Forebrain Mixed Neuronal/Glial Cultures. Biochemical and Biophysical Research Communications, 1995, 215, 572-577.	2.1	86
89	Locus coeruleus lesions potentiate neurotoxic effects of MPTP in dopaminergic neurons of the substantia nigra. Brain Research, 1994, 668, 261-265.	2.2	93
90	Effect of locus coeruleus lesion on c-fos expression in the cerebral cortex caused by yohimbine injection or stress. Brain Research, 1993, 603, 181-185.	2.2	54

#	Article	IF	Citations
91	Studies on the cellular localization of biochemical responses to catecholamines in the brain. Brain Research Bulletin, 1992, 29, 285-288.	3.0	22
92	Noradrenergic-induced expression of c-fos in rat cortex: Neuronal localization. Neuroscience Letters, 1992, 140, 260-264.	2.1	22
93	Immunohistochemical studies of noradrenergic-induced expression of c-fos in the rat CNS. Brain Research, 1992, 592, 57-62.	2.2	71
94	Noradrenergic activation of immediate early genes in rat cerebral cortex. Molecular Brain Research, 1991, 11, 43-46.	2.3	92
95	C-Fos response to administration of catecholamines into brain by microdialysis. Neuroscience Letters, 1991, 133, 33-35.	2.1	31
96	Cografts of adrenal medulla with C6 glioma cells in rats with 6-hydroxydopamine-induced lesions. Neuroscience, 1990, 34, 687-697.	2.3	44
97	Adrenal chromaffin cells as transplants in animal models of parkinson's disease. Journal of Electron Microscopy Technique, 1989, 12, 308-315.	1.1	10
98	Tyrosine hydroxylase-immunoreactive somata within the primate subfornical organ: species specificity. Brain Research, 1988, 461, 221-229.	2.2	16
99	Comparison of adrenal medullary, carotid body and PC12 cell grafts in 6-OHDA lesioned rats. Brain Research Bulletin, 1988, 20, 399-406.	3.0	82
100	Chapter 65 Paraneuronal grafts in unilateral 6-hydroxydopamine-lesioned rats: morphological aspects of adrenal chromaffin and carotid body glomus cell implants. Progress in Brain Research, 1988, 78, 507-511.	1.4	47
101	Chapter 72 Human organ donor adrenals: fine structure, plasticity and viability. Progress in Brain Research, 1988, 78, 559-565.	1.4	3